

KS-N16B/132HG

N-TYPE Bifacial 610-640W



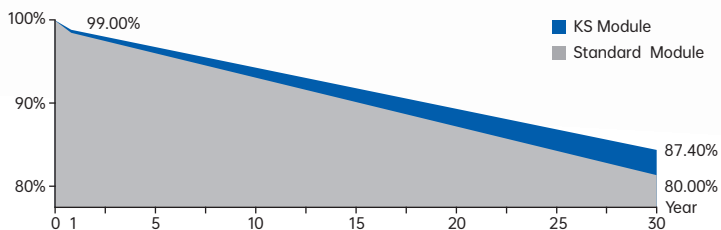
WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



INSURANCE



中国平安
PINGAN

CERTIFICATION



- ISO 9001: 2015/quality management system
- ISO 14001: 2015/environment management system
- ISO 45001: 2018/occupation health safety management system

610-640W

KS-N16B/132HG

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	610	615	620	625	630	635	640
Power Tolerance	W	0~+5						
Maximum Power Voltage (Vm)	V	40.46	40.60	40.74	40.88	41.02	41.17	41.32
Maximum Power Current (Im)	A	15.08	15.15	15.22	15.29	15.36	15.43	15.49
Open Circuit Voltage (Voc)	V	48.68	48.88	49.08	49.28	49.48	49.68	49.88
Short Circuit Current (Isc)	A	15.96	16.02	16.08	16.14	16.2	16.26	16.32
Module Efficiency (ηm)	%	22.6	22.8	23.0	23.1	23.3	23.5	23.7

STC: AM=1.5, irradiance=1000W/m², module temperature=25°C

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power (Pm)	W	461	465	469	473	477	481	485
Maximum Power Voltage (Vm)	V	38.0	38.2	38.4	38.7	38.9	39.1	39.3
Maximum Power Current (Im)	A	12.14	12.17	12.21	12.24	12.27	12.3	12.33
Open Circuit Voltage (Voc)	V	46.2	46.4	46.6	46.8	47.0	47.2	47.4
Short Circuit Current (Isc)	A	12.75	12.78	12.81	12.84	12.87	12.90	12.93

NMOT: irradiance=800W/m², environment temperature=20°C, wind speed=1m/s

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2382×1134×30mm
Weight	33kg
Number of Cells	132 (6×22)
Front Glass	2.0mm AR-coating heat-strengthened glass
Rear Glass	2.0mm heat-strengthened glass
Frame	Anodized aluminum alloy, silver color
Junction Box	IP68
Output Cables	4.0mm², 300mm or customized length
Connector	MC4 Compatible

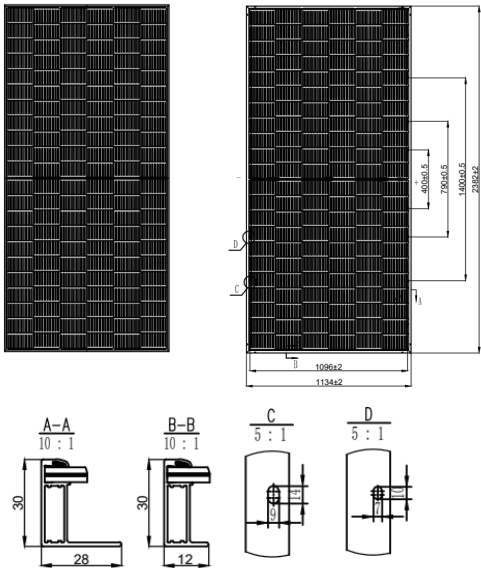
APPLICATION CONDITIONS

Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Operating Temperature	-40°C ~ +85°C
Mechanical Load	5400Pa/2400Pa
Hail Test	25mm diameter hail at 23m/s
Bifaciality	80±5%
Application Rating	Class A

TEMP CHARACTERISTICS

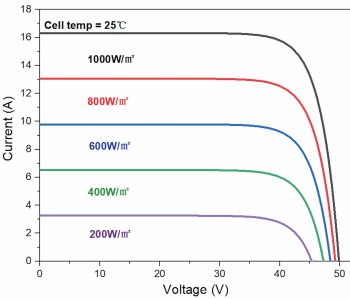
Nominal Module Operating Temperature	42±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of ISC	+ 0.045%/°C

TECHNICAL DRAWING

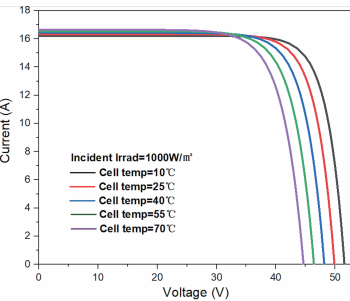


I-V CURVE

I-V characteristics at different irradiance (KS-N16B/132HG640W)



I-V characteristics at different temperatures (KS-N16B/132HG640W)



PACKING CONFIGURATION

Container	40'HC
Pieces per Pallet	37 pcs
Packaging box Size	2439×1145×1260×mm
Pieces per Container	740 pcs